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United Oil Recovery, Inc.

SnapshotPeople Company Overview

United Oil Recovery, Inc., an environmental services provider, engages in the transportation, storage, treatment, recovery, and recycling of hazardous, non-hazardous, and regulated wastes. The company provides waste transportation and recycling services, including fuel blending, incineration, energy recovery, solidification, used oil marketing, solvent reclamation, and acid/base treatment; and lab analysis services, which comprise characterization information and recycling, hazardous and non-hazardous analysis, on-site sampling, industrial waste water analysis, unknown sample characterization, and difficult matrices analysis. It also offers wastewater removal and treatment services, includin...

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Detailed Description
47 Gracey Avenue

Meriden, CT 06451

United States

Founded in 1976
Phone:
203-238-6745

Fax:
203-238-6772

www.unitedindustrialservices.com



UNITED
A USI Company

Oil Collection and Sales Non-Regulated Liquids Transportation/Disposal

Container Management Drums and Pails Recycling Resource Management

An Employee Owned Company

Oil Collection and Sales

United's Oil Collection Group is able to transport and process used oil from both retail and industrial customers. We operate our own fleet of trucks and processing facilities to meet all of your used oil recycling needs. Whether you ship oil in drums or larger bulk shipments, United can provide the service and technology you expect.



UNITED
A USI Company

Oil Collection and Sales Non-Regulated Liquids Transportation/Disposal

Container Management/Disposal

Industrial Waste Management

An Employee Owned Company

Retail Oil Services

- Used oil is purchased at the time of the pick-up. Pricing is based on current market conditions.
- Used antifreeze is picked up for free for current oil customers.
- Used oil filter service available.
- Oil/Water Separator service. With United, customers can also have their separators pumped out on a regular basis. There is a fee associated with this service.



UNITED
A USI Company

Oil Collection and Sales Non-Regulated Liquids Transportation/Disposal

Container Management/Drums Oil Spill Response/Management

An Employee Owned Company

Industrial Oil Services

- Used oil is purchased for segregated streams
- Credits may be allocated for the recoverable oil portion of non-segregated streams. This is contingent on the amount of solids, water, and other contaminants that may be present in the stream.
- LTL transportation pricing available for small quantities of oil



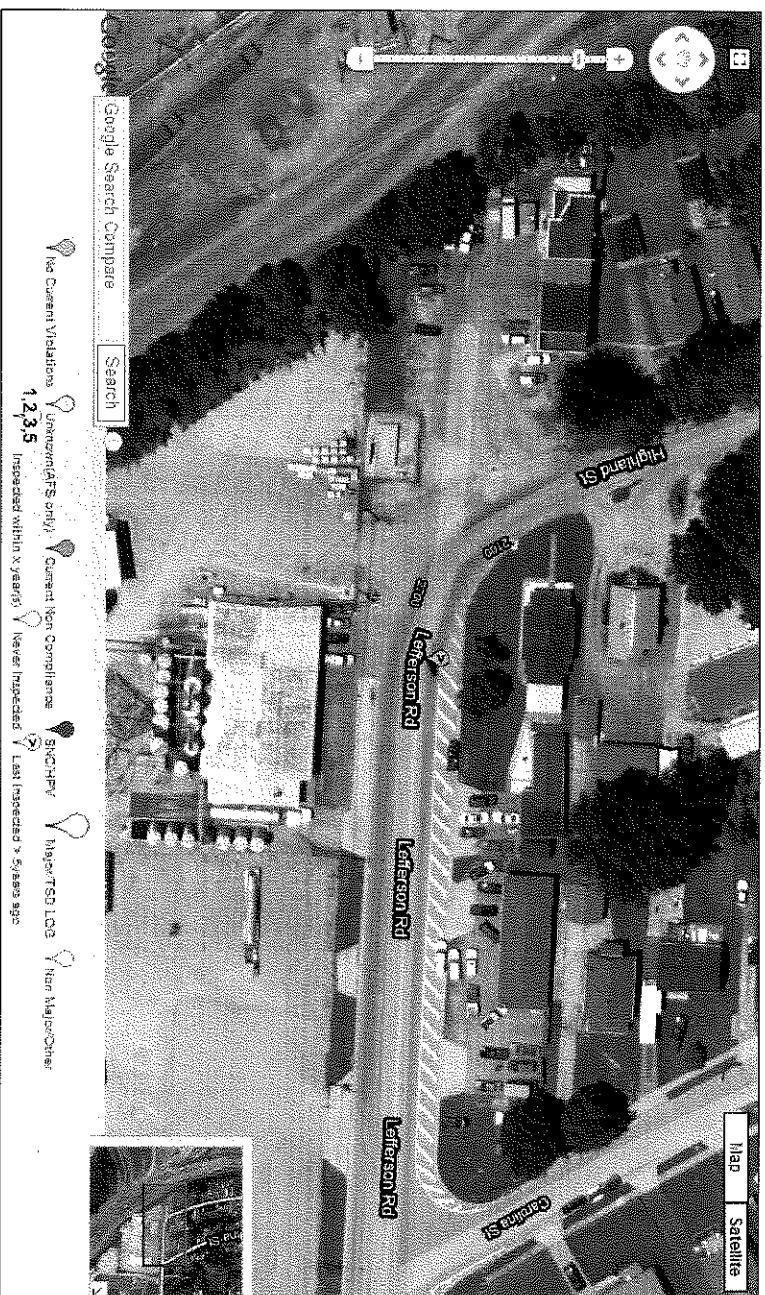
UNITED
A USI Company

Oil Collection and Sales Non-regulated Liquids Transportation/Disposal Container Management/Drums Other Waste Resource Management

An Employee Owned Company

Treatment

United's Oil Collection Group operates its fleet of trucks out of Sharonville, Ohio where the oil is concentrated and recycled for re-use in the fuels market. By owning our own non-regulated wastewater and oil processing facility we are able to ensure quality service and environmental compliance from cradle to grave of our customers' waste. We terminate and take title to all waste that we bring to our facility. Our skilled staff uses the best available treatment technology to efficiently process all types of used oils.



United Oil Recovery - 2640 Lefferson Rd., Middletown, Ohio 45044



United Oil Recovery, 2640 Jefferson Rd., Middletown, Ohio 45044

• Pretreatment

- Used oil undergoes a pretreatment step in the overall recycling process. The recycled oil is dewatered to get rid of its water content. The main tool used to dewater oil is gravity. The process involves allowing the natural separation of the oil from the water over time. When the two have separated into an upper layer of oil and a bottom layer of water, the water is then drained from the oil and undergoes a treatment process to make it safe for disposal into the environment. Heat is also used in the dewatering process to speed it up by causing the water to evaporate. Once the water is separated out of the oil, it is then ready for the next step, filtering.

Filtering

- Debris and additives are filtered out of the recycled oil. Some of the additives extracted by filtering are also recycled for reuse. The used oil is placed in a reaction tank, where it is mixed with sulfuric acid and then heated.

Demineralization

- A surfactant is added to the mixture, which is then left to separate into oil and a water-based, soap-like phase. This water-based part collects debris and contaminants, such as oil additives and metals, and then it is drained off at the bottom of the tank. The water is then evaporated off, and the waste is disposed of as solid matter. The oil is filtered again to remove finer particles of debris. The oil is then ready to be used as fuel, and can undergo further refining to produce different grades of fuel oils, from heavy fuels to lighter fuels for specialized burners.

Propane Deasphalting

- Propane deasphalting (PDA) is the refining process that removes asphalt from the recycled oil. The used oil is fed into the deasphalting apparatus, where liquid propane is added from the bottom of the tank. As the propane rises through the oil, and the oil settles, it dissolves the lube oil elements, separating them out of the oil, and allowing them to collect at the bottom of the tank. The propane is then recycled by retrieving it from both the oil and the waste through vaporization. The vaporized propane is then collected, condensed and stored for future use in the PDA process.

Distillation

- Recycled oil can also undergo distillation to remove water, gases, petrol and solvents. The first type of distillation is atmospheric distillation, a process that separates these components from the oil based on their respective boiling points. As the recycled oil is heated in the distillation process up to 300 degrees Celsius, each component boils off and is collected for reuse. Another type of distillation is vacuum distillation, which further refines the oil to control its flash point, viscosity and carbon residue. The recycled oil undergoes heating at temperatures higher than 300 degrees Celsius, as the vacuum system works to reduce pressure build-up that, in turn, prevents destruction of the oil components. The oil is heated and distilled off into trays, as different grades of oil. The lightest is gas oil, which is distilled off at the highest level of the system. This is followed by light oil, medium oil and heavy oil. This process separates out the remaining components, called vacuum tower bottoms (VTB), the heaviest components in the oil, that were unaffected by the distillation process.

Read more: Oil Recycling Process | eHow.com http://www.ehow.com/how-does_4913353_oil-recycling-process.html#ixzz1ljtBBDH8

Read more: Oil Recycling Process | eHow.com http://www.ehow.com/how-does_4913353_oil-recycling-process.html#ixzz1IjtBBDH8

http://iaspub.epa.gov/enviro/fii_master.fii_retrieve?[Search handler_id&fac_search_type=Equal+To&report=3&database_type=RCRAINFO&fac_value=OHR000006742](#)
Resource Conservation and Recovery Act (RCRAInfo)You are here: [EPA Home](#) [Envirofacts](#) [RCRAInfo](#) [Query Results](#)

Query Results

[Report an Error](#)[Data Disclaimer](#)**Handler ID:** Equal To: OHR000006742

Results are based on data extracted on MAR-10-2011

Note: Click on the underlined CORPORATE LINK value for links to that company's environmental web pages.

Click on the underlined MAPPING INFO value to obtain mapping information for the facility.

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<u>HANDLER NAME:</u>	UNITED OIL RECOVERY SERVICES INC	<u>HANDLER ID:</u>	OHR000006742
<u>STREET:</u>	2640 LEFFERSON ROAD	<u>FACILITY INFORMATION:</u>	View Facility Information
<u>CITY:</u>	MIDDLETOWN	<u>CORPORATE LINK:</u>	No
<u>STATE:</u>	OH	<u>COUNTY:</u>	BUTLER
<u>ZIP CODE:</u>	45044	<u>MAPPING INFO:</u>	MAP
<u>EPA REGION:</u>	5		

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
BRAD BOYER	2640 LEFFERSON RD	MIDDLETOWN	OH	45044	5137056324	Public
GARY SNOW	2640 LEFFERSON RD	MIDDLETOWN	OH	45044	5137056324	Permit
BRAD BOYER	2640 LEFFERSON RD	MIDDLETOWN	OH	45044	5137056324	Permit

No Process Information is available for the facility listed above.[Go To Top Of The Page](#)**Total Number of Facilities Displayed:**

Dayton Daily News

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Area United Oil Recovery workers indicted in poisoning

By Katie Wedell, Staff Writer

Updated 8:02 AM Thursday, June 17, 2010

HAMILTON — Two local employees of United Oil Recovery Services Inc. have been indicted on criminal charges in connection with the death of a worker in 2008 at the company's Middletown facility.

United Oil President David Brown, 42, 5561 Benner Road, Miamisburg, and plant manager Jay Black, 33, 20 Nickell Road, Germantown, are each charged with criminal endangering, according to an indictment handed down by a Butler County grand jury.

Indictments were also returned Wednesday, June 16, against United Oil and David Weber, 42, 8699 Kunker Road, Morrow, the company's environmental health and safety manager. Both are charged with involuntary manslaughter, reckless homicide, violation of wastewater permit, deviation from pretreatment permit and criminal endangering.

Alexandra Lehman, spokeswoman for Ohio Attorney General Richard Cordray's office, said this is the first case the office has handled in a number of years where criminal charges were brought against a company.

"In terms of the Environmental Enforcement section, the last time we've had a similar situation that involved manslaughter charges was in 1992," she said.

Cincinnati-based defense attorney Martin Pinales said in a message left Wednesday afternoon all defendants and the company will enter not guilty pleas because "because they are in fact not guilty."

The charges stem from an incident on June 21, 2008, at the Lefferson Road site, where wastewater was being improperly treated using sodium hydro sulfide, according to the Ohio Attorney General's Office.

As a result, a chemical reaction took place and lethal doses of hydrogen sulfide were released, killing United Oil employee Thomas Rogers, 45, of Colerain Twp. The Warren County Coroner's Office concluded that the cause of Rogers' death was hydrogen sulfide poisoning.

In 2007, United Oil was issued a permit from Ohio EPA for the pretreatment of wastewater. The permit outlined the approved treatment processes. Soon after, however, the company deviated from the terms of its permit by using sodium hydro sulfide to speed up the treatment process, according to prosecutors.

Involuntary manslaughter and reckless homicide are both third-degree felonies that carry

penalties of up to five years incarceration and a \$10,000 fine for individuals and \$15,000 for an organization.

Criminal endangering is a first-degree misdemeanor that carries a penalty of up to 180 days incarceration and a \$1,000 fine for an individual.

Contact this reporter at (937) 225-2124 or kwedell@coxohio.com.

Find this article at:

<http://www.daytondailynews.com/news/crime/area-united-oil-recovery-workers-indicted-in-poisoning-767184.html>

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UNITED
A USI Company

Oil Collection and Piles Non-Regulated Liquids Transportation/Disposal Container Management Drums Recycling Residue Management

An Employee Owned Company

Documentation

United's Oil Collection Group provides our customers with all necessary profiles, shipping papers, labels, and termination documentation. We also offer itemized monthly reports and waste tracking documentation to help with your reporting requirements.

City of Middletown WWTTP Pre-treatment program contact

Program	Last Name	First Name	Address 1	Address 2	City, State, Zip Code	Phone Number	Fax Number
Middletown	Fraley	Mr. Paul	Middletown WWTTP	300 Oxford State Road	Middletown, Ohio 45044	5134257989	5134257964

e-mail

Paul.Fraley@ci.middletown.oh.us

Email Address

paulf@ci.middleton.oh.us

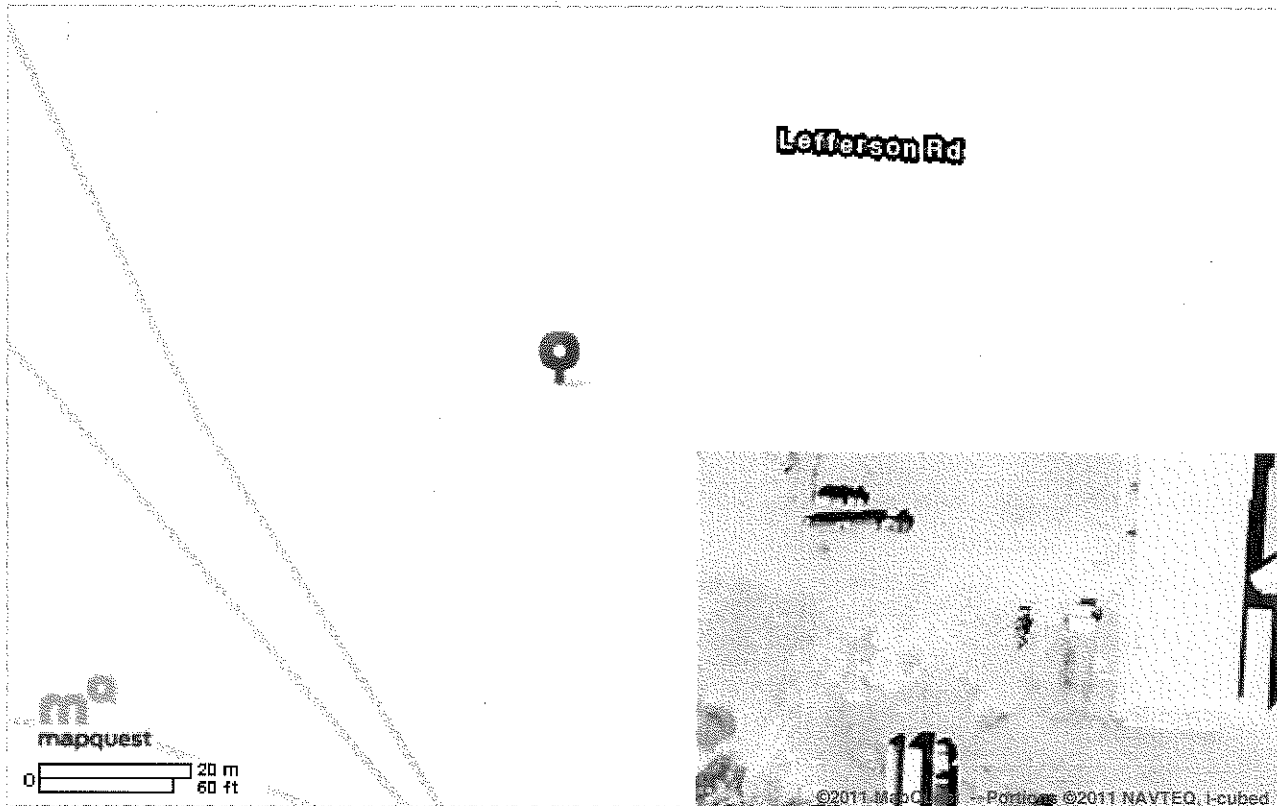


Map of:

2640 Lefferson Rd
Middletown, OH 45044-6938

Notes

United Oil Recovery



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UNITED
A USI Company

Oil Collection and Sales Non-Regulated Liquids Transportation/Disposal

Container Management/Drums

Recycling/Residue Management

An Employee Owned Company

Oil Collection and Sales

United's Oil Collection Group is able to transport and process used oil from both retail and industrial customers. We operate our own fleet of trucks and processing facilities to meet all of your used oil recycling needs. Whether you ship oil in drums or larger bulk shipments, United can provide the service and technology you expect.



UNITED
A USI Company

Oil Collection and Sales

Non-Regulated

Liquids Transportation/Disposal

Container Management/Disposal

Used Oil Recycling/Management

An Employee Owned Company

Retail Oil Services

- Used oil is purchased at the time of the pick-up. Pricing is based on current market conditions.
- Used antifreeze is picked up for free for current oil customers.
- Used oil filter service available.
- Oil/Water Separator service. With United, customers can also have their separators pumped out on a regular basis. There is a fee associated with this service.



UNITED
A USI Company

Oil Collection and Sales | Non-Regulated Liquids Transportation/Disposal | Container Management/Drums | Bulk Storage/Residue Management

An Employee Owned Company

Industrial Oil Services

- Used oil is purchased for segregated streams
- Credits may be allocated for the recoverable oil portion of non-segregated streams. This is contingent on the amount of solids, water, and other contaminants that may be present in the stream.
- LTL transportation pricing available for small quantities of oil



UNITED
A USI Company

Oil Collection and Spills Non-regulated Liquids Transportation/Disposal

Container Management/Disposal

Industrial Wastewater Management

An Employee Owned Company

Treatment

United's Oil Collection Group operates its fleet of trucks out of Sharonville, Ohio where the oil is concentrated and recycled for re-use in the fuels market. By owning our own non-regulated wastewater and oil processing facility we are able to ensure quality service and environmental compliance from cradle to grave of our customers' waste. We terminate and take title to all waste that we bring to our facility. Our skilled staff uses the best available treatment technology to efficiently process all types of used oils.



UNITED
A USI Company

Oil Collection and Sales Non-Regulated Liquids Transportation/Disposal

Container Management/Drums

Oil Collection/Disposal/Management

An Employee Owned Company

Types of Oils

- Crank case oils
- Hydraulic oils
- cutting oils
- Synthetic oils
- Machining oils
- Gear Oils
- Quench Oils



UNITED
A USI company

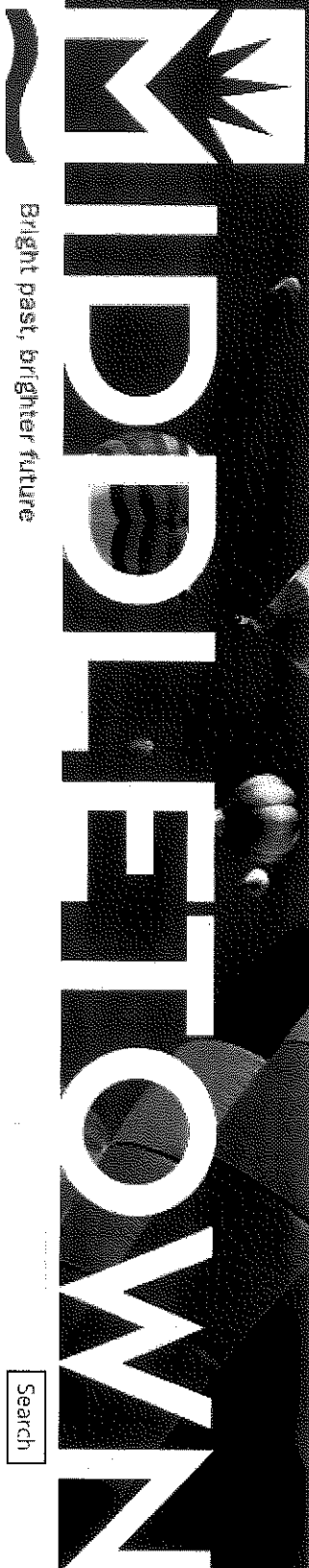
Oil Collection and Sales Non-Regulated Liquids Transportation/Disposal

Container Management Drums Bulk and Bulkhead Management

An Employee-Owned Company

Documentation

United's Oil Collection Group provides our customers with all necessary profiles, shipping papers, labels, and termination documentation. We also offer itemized monthly reports and waste tracking documentation to help with your reporting requirements.



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Capital Projects
City Maps
Electronics Maintenance
Engineering
Forms & Regulations
Parks & Grounds
Recycling
Street Maintenance
Trash Collection
Wastewater Treatment
Water & Sewer Maintenance
Water Treatment

2009 Consumer Confidence Report

Wastewater Treatment

The Wastewater Treatment Division operates and maintains the City's 26 MGD treatment plant. The division protects the health of the community and environment by reclaiming an average of 14.5 million gallons of wastewater each day from all residential, commercial, and industrial sources. From this process, two recycled products are provided - clean water discharged into the Great Miami River and approximately 15,000 dry tons/year of processed biosolids, which are applied to farm land for its nutrient and soil conditioning value.

Industrial Pretreatment Program

The primary objectives of the Pretreatment Program are to: 1) Protect the environment, and public health and safety; 2) Provide safe working conditions for sewer utility workers; 3) Protect the sewers and wastewater treatment plant from damage due to an accidental or deliberate discharge of pollutants; 4) Prevent the introduction of substances that would block or obstruct the sewer system; 5) Prevent the introduction of pollutants into the sewer system which would interfere with the wastewater treatment process, or pass through the plant and into the Great Miami River; 6) Improve the opportunity to reclaim and recycle municipal wastewater and biosolids.



The City of Middletown's Industrial Pretreatment Program provides the authority, through the Sewer Use Ordinance, for the Pretreatment Program staff to:

- Identify and define prohibited wastes;
- Develop local limits on specific pollutants;
- Obtain access to facilities for inspections and sampling;
- Require non-residential dischargers to provide an adequate sampling location;
- Require treatment of non-domestic wastes to meet discharge standards;
- Require non-residential dischargers to obtain discharge permits;

- Require non-residential dischargers to monitor their discharge and submit reports;
- Take enforcement action for non-compliance with the program regulations.

The division operates a specialized Industrial Pretreatment Program that involves regular inspection and monitoring of industries to ensure that their wastewaters are suitable for release into the City's sewer system. The City's Industrial Pretreatment Program is a branch of the federal Industrial Pretreatment Program developed and overseen by the U.S. Environmental Protection Agency (USEPA). The Pretreatment Program is a delegated program, which means that the USEPA has delegated authority to administer the program to the Ohio EPA, and the Ohio EPA has in turn delegated this authority to the City of Middletown. The City has the authority to issue permits, monitor discharges, and issue penalties if necessary.

Pretreatment and Prohibited Wastes

Each industrial facility will be required to pretreat its wastewater (remove toxic and other restricted substances) and/or apply pollution prevention methods before discharging into the City's sewer system if its wastewater does not meet the local limits for the following pollutants:

- pH - 5.0-12.0
- TSS - > 300 mg/L surcharged @ \$246.52/ton
- BOD - > 240 mg/L surcharged @ \$111.46/ton
- Cyanide (T) - 5.0 mg/L
- Cadmium (T) - 3.0 mg/L
- Chromium (T) - 7.5 mg/L
- Copper (T) - 5.0 mg/L
- Mercury (T) - 0.2 mg/L
- Nickel (T) - 15.0 mg/L
- Zinc (T) - 10.0 mg/L



City of Middletown
One Donham Plaza
Middletown, OH
45042-1901
(513) 425-7766

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- Zinc (T) - 10.0 mg/L



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